

ABSTRACT

A fixing apparatus that enables the calorific value of a heat-producing rotating element to be stabilized and the heat production efficiency of that heat-producing rotating element to be improved. A fixing apparatus (200) is equipped with a heat-producing sleeve (210), an induction heating apparatus (230), a magnetic field absorption member (233) that absorbs a magnetic field generated by the induction heating apparatus (230), and a fixing roller (240) and pressure roller (250) that grip and rotate the heat-producing sleeve (210). The magnetic field absorption member (233) is located in an area opposite an exciting coil (231) with the heat-producing sleeve (210) between, and absorbs a magnetic field generated by the induction heating apparatus (230). The heat-producing sleeve (210) is composed of a nonmagnetic metallic material of thickness in the range from 10 μm to 500 μm and specific resistance of $80 \times 10^{-6} \Omega\text{cm}$ or less.